

| SSUED 1975-05 | REAFFIRMED 2006-07 | REVISED 2022-07 |
|---------------|--------------------|-----------------|
|               |                    |                 |

**TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)**

| PART<br>NUMBERS | L           | A           | B<br>MIN /a/ | APPROX<br>MASS<br>LB/100 |
|-----------------|-------------|-------------|--------------|--------------------------|
| AS3089-13       | 2.115-2.135 | 1.365-1.385 | .688         | 5.73                     |
| AS3089-14       | 2.178-2.198 | 1.428-1.448 | .688         | 5.90                     |
| AS3089-15       | 2.240-2.260 | 1.490-1.510 | .688         | 6.07                     |
| AS3089-16       | 2.302-2.322 | 1.552-1.572 | .688         | 6.23                     |
| AS3089-17       | 2.365-2.385 | 1.615-1.635 | .688         | 6.40                     |
| AS3089-18       | 2.428-2.448 | 1.678-1.698 | .688         | 6.57                     |
| AS3087-19       | 2.490-2.510 | 1.740-1.760 | .688         | 6.74                     |
| AS3089-20       | 2.615-2.635 | 1.865-1.885 | .688         | 7.08                     |
| AS3089-21       | 2.740-2.760 | 1.990-2.010 | .688         | 7.41                     |
| AS3089-22       | 2.865-2.885 | 2.115-2.135 | .688         | 7.75                     |
| AS3089-23       | 2.990-3.010 | 2.240-2.260 | .688         | 8.09                     |
| AS3089-24       | 3.115-3.135 | 2.365-2.385 | .688         | 8.42                     |
| AS3089-25       | 3.240-3.260 | 2.490-2.510 | .688         | 8.76                     |
| AS3089-26       | 3.365-3.385 | 2.615-2.635 | .688         | 9.10                     |
| AS3089-27       | 3.490-3.510 | 2.740-2.760 | .688         | 9.44                     |
| AS3089-28       | 3.615-3.635 | 2.865-2.885 | .688         | 9.77                     |
| AS3089-29       | 3.740-3.760 | 2.990-3.010 | .688         | 10.11                    |
| AS3089-30       | 3.865-3.885 | 3.115-3.135 | .688         | 10.45                    |
| AS3089-31       | 3.990-4.010 | 3.240-3.260 | .688         | 10.78                    |
| AS3089-32       | 4.115-4.135 | 3.365-3.385 | .688         | 11.12                    |
| AS3089-33       | 4.240-4.260 | 3.490-3.510 | .688         | 11.46                    |
| AS3089-34       | 4.365-4.385 | 3.615-3.635 | .688         | 11.79                    |
| AS3089-35       | 4.490-4.510 | 3.740-3.760 | .688         | 12.13                    |
| AS3089-36       | 4.615-4.635 | 3.865-3.885 | .688         | 12.47                    |
| AS3089-37       | 4.740-4.760 | 3.990-4.010 | .688         | 12.81                    |
| AS3089-38       | 4.865-4.885 | 4.115-4.135 | .688         | 13.14                    |

/a/ DIMENSION "B" FOR -.08 AND -.10 MEETS THE REQUIREMENTS OF AND20002, AND20004, AND20006, AND20007.

NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

- MATERIAL: STUD - LOW ALLOY STEEL PER AMS6322 (COMPOSITION SIMILAR TO UNS G87400).  
KEY - CORROSION RESISTANT STEEL PER AMS5688 (COMPOSITION SIMILAR TO UNS S30500).
- HARDNESS: STUD - 26 TO 32 HRC.  
KEY - AS RECEIVED.
- FINISH: STUD - CADMIUM PLATE PER AMS2400. DIMENSIONS ARE AFTER PLATING.  
KEY - NONE.
- PROCUREMENT SPECIFICATION: AS7452. REQUIREMENTS RELATED TO BOLT HEADS ARE NOT APPLICABLE.
- MAGNETIC PARTICLE INSPECTION PER ASTM E1444/E1444M.
- THE INSTALLED STUD SHALL HAVE A MINIMUM RESISTANCE TO TORQUE OUT OF 240 LBF-IN.
- SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.

|                                                                                     |                                                                                                         |                                |                         |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------|
|  | <b>AEROSPACE STANDARD</b>                                                                               | <b>AS3089™</b><br>SHEET 2 OF 3 | <b>REV.</b><br><b>C</b> |
|                                                                                     | STUD, STRAIGHT, KEY LOCKED,<br>CADMIUM PLATED, STEEL, UNS G87400<br>.3750-24 UNJF-3A X .3750-24 UNJF-3A |                                |                         |